
Method for producing a coloured sand composition, and composition thereof

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Abstract

The invention relates to a method for producing a coloured sand composition containing a large number of silica sand grains with outer coatings of colour pigments, wherein the method comprises the following steps:

- 10 - mixing caustic soda and water in a predetermined ratio, preferably of 1:2, to form a dilute caustic soda;
- mixing boric acid in a predetermined concentration with the dilute caustic soda to form a boric acid/caustic soda solution;
- mixing a binder with the boric acid/caustic soda solution in a predetermined ratio to form a coating mixture;
- 15 - coating the silica sand grains coated with the colour pigments with the coating mixture by adding the coating mixture to the silica sand grains, and
- indirectly heating the silica sand grains coated with the coating mixture in a system which is spatially sealed from the heating source by means of separate chambers for the heating process and the heating source.

20 A coloured sand composition is also described.